

End of Year Expectations – Maths

	Number and place value	Addition and subtraction	Multiplication and division	Fractions	Measurement	Geometry	Statistics
						Properties of shapes Position and direction	
Year 5	<p>I can count on and back in powers of ten from any number.</p> <p>I can order positive and negative numbers in context of temperatures.</p> <p>I can round any number to the nearest 10, 100, 1000, 10 000 and 100 000.</p> <p>I can and recognise years in Roman numerals.</p>	<p>I can solve multi-step problems in contexts, deciding which operations and methods to use.</p> <p>I can mentally add and subtract 4-digit numbers.</p>	<p>I can use short division and record remainders.</p> <p>I can use long multiplication for 4- by 1-digit and 2-digit numbers.</p> <p>I can find the square and cube of whole numbers.</p> <p>I can find all factor pairs of a number, and common factors of two numbers.</p> <p>I can divide a number by 10, 100 and 1000 mentally (<i>including decimals</i>).</p>	<p>I can compare fractions whose denominators are all multiples of the same number using &lt; and &gt;.</p> <p>I can add and subtract fractions where denominators that are multiples of the same number.</p> <p>I can solve problems which require knowing percentage and decimal equivalents of <math>\frac{1}{2}</math>, <math>\frac{1}{4}</math>, <math>\frac{1}{5}</math>, and those fractions with a denominator of a multiple of 10 or 25.</p> <p>I can solve problems involving scaling by simple fractions and problems involving simple rates in context.</p> <p>I can convert between percentages, fraction, with denominator 100, and decimals. I can write equivalent fractions for a given fraction.</p> <p>I can solve calculations involving number up to three decimal places.</p> <p>I can convert between mixed numbers and improper fractions. I can convert between tenths, hundredths, thousandths and their decimal equivalents.</p> <p>I can round any number to the nearest whole number or number with one decimal place.</p>	<p>I can calculate the perimeter of a composite rectilinear shape in metres and in centimetres and converting between metres and centimetres.</p> <p>I can calculate lengths/angles based on reasoning about equal sides and angles.</p> <p>I can find and compare the area of rectangles using standard units, square centimetres (<math>\text{cm}^2</math>) and square metres (<math>\text{m}^2</math>)</p> <p>I can find volume or capacity of a cuboid.</p> <p>I can use all four operations to solve measure problems that involve scaling (<i>including decimals</i>).</p>	<p>I can name irregular shapes from their number of sides.</p> <p>I can estimate angles in degrees and compare angles within their category (<i>in all rotations</i>).</p> <p>I can measure and draw angles up to <math>360^\circ</math> accurately (<i>in all rotations</i>).</p> <p>I can find missing angles at a point, angles on a straight line, and other multiples of <math>90^\circ</math> through calculation.</p> <p>I can identify, describe and represent the position of a shape following a reflection (<i>in the first quadrant</i>).</p> <p>I can identify, describe and represent the position of a shape following a translation (<i>in the first quadrant</i>).</p>	<p>I can solve two-step comparison, sum and difference problems using information in a line graph.</p> <p>I can solve two-step comparison, sum and difference problems using information in a table.</p> <p>I can convert multiple and non-unitary fractions of time in problem solving.</p>